

WE3A Advanced CAD Methodologies

*Chair: R.M. Biernacki,
Optimization Systems Assoc.
Co-chair: M.D. Abouzahara, MIT Lincoln Lab
ROOM A201*

WE3B Frequency Converters and Mixers

*Chair: B.E. Sigmund,
Motorola
ROOM A207*

WE3C Quasi-Optical Amplifiers

*Chair: D. Rutledge,
Caltech University*

ROOM A102

WE3D Active and Passive Filters

*Chair: D. Swanson,
Watkins-Johnson*

ROOM A101

WE3E Hybrid Interconnections and Components

*Chair: G. Brehm,
Texas Instruments
ROOM A108*

1:20 PM

WE3A-1: Stability Envelope-New Tool for Generalized Stability Analysis
T. Narhi, ESTEC, Noordwijk, The Netherlands, M. Valtonen, Helsinki Univ. of Tech., Espoo, Finland

1:40 PM

WE3A-2: Knowledge Based Neural Models for Microwave Design
F. Wang, Q.J. Zhang, Dept. of Elec., Carleton Univ., Ottawa, Canada

1:50 PM

2:00 PM

2:10 PM

2:20 PM

2:30 PM

2:40 PM

2:50 PM

WE3B-1: Monolithic Silicon-Glass Double Balanced Mixers for Wireless Communications
J. Putnam, M. Barter, J. Boian, M/A-COM, Burlington, MA

WE3B-2: Fully Monolithic Integrated Even Harmonic Quadrature Ring Mixer with an Active Matched 90 Degree Power Divider for Direct Conversion Receiver Applications
K. Kawakami, T. Tajima, M. Shimozawa, K. Otoh, N. Kasai, A. Iida, Info. Tech. R&D Ctr., Mitsubishi Elec. Corp., Kanagawa, Japan

WE3B-3: Push-Pull Frequency Converter for Mobile Communication
R. Gutierrez, Phoenix Microwave, Philadelphia, PA, A.V. Thangavelu, H.P. Moyer, M. Ghanevati, A.S. Daryoush, Drexel Univ. ECE Dept., Philadelphia, PA

WE3B-4: A 2 GHz Subharmonic Sampler for Signal Downconversion
A. Parssinen, Helsinki Univ. of Tech., Elec., Circuit Design Lab., Espoo, Finland, R. Magoor, S. I. Long, Univ. of California Santa Barbara, ECE Dept., Santa Barbara, CA

WE3B-5: A Low Power GaAs Front-End IC with Current-Reuse Configuration Using 0.15 μ m Gate MODFETs
M. Le Roy, A. Perennec, L. C. Calvez, LEST UMR CNRS, Brest, France, S. Toutain, ENSTBr, Brest, France